

RI Executive Climate Change Council

March 27, 2014

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RHODE ISLAND EMERGENCY MANAGEMENT AGENCY

10 Year Major Disaster History

Date of Disaster Declaration	Disaster Type	Disaster Assistance (Public and Individual Assistance)
5/25/2007	Severe Storms & Inland & Coastal Flooding	\$1.2 Million
3/29/2010	Severe Storms & Flooding	\$79 Million
9/3/2011	Tropical Storm Irene	\$16.8 Million
11/3/2012	Hurricane Sandy	\$42.7 Million
3/22/2013	Severe Winter Storm	\$12.8 Million
		Total: \$152.5 Million



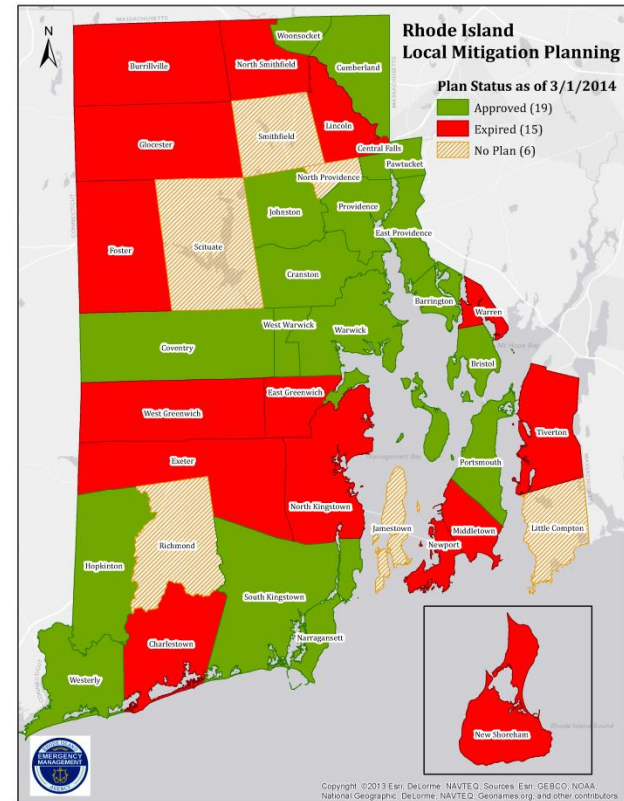
Types of Flooding

- Riverine
- Flash
- Coastal
- Shallow



Local Mitigation Plans

- Local and Tribal Governments develop plans that meet the requirements set by the Stafford Act. The plans identify policies and actions that can be implemented to reduce risk and future losses.
- Once governments receive FEMA approval, an entity is eligible to receive mitigation project funding to implement mitigation actions.
- Local HMPs are approved for five (5) years.



Status as of March 1, 2014

19 Approved

16 Expired

6 No Plan



State Mitigation Plan

- The *Rhode Island Hazard Mitigation Plan 2014 Update* is a representation of the State's commitment to reducing risks from natural hazards and serves as a comprehensive guide for hazard mitigation in the State.
- The 2014 update was guided by RIEMA and representatives from the State Interagency Hazard Mitigation Committee in compliance with the planning requirements of the Disaster Mitigation Act of 2000 and the Final Rule, Title 44 of the Code of Federal Regulations, parts 201 and 206.
- With a Standard State Mitigation Plan in place, the State is eligible to receive 15% of the Individual and Public Assistance totals following a federally declared disaster to implement mitigation actions.
- The next State Mitigation Plan update will be completed by April 2017.



Coastal Mapping Effective Dates

- Bristol County: July 7, 2014
- Kent County: September 18, 2013
- Newport County: September 4, 2013
- Providence County: September 18, 2013
- Washington County: October 16, 2013



Riverine Mapping

- FEMA in coordination with USGS working on remapping inland areas
- Providence and Kent Counties
- Data used in remapping utilized high water marks collected following the flooding in March 2010
- Preliminary maps are expected to be released in April 2014



Rhode Island Floodplain Mapping Tool

- Tool is provided for reference only
- Designed to provide users with an easily accessible online resource by which to make informed decisions about the flood risk for a specific area or property
- The floodplains shown on this Tool are delineated on the FEMA historic, preliminary, or effective Flood Insurance Rate Maps

http://www.riema.ri.gov/prevention/floods/flood_mapping.php



Rhode Island Floodplain Mapping Tool

Contents

- ☒ Flood Zones Effective AFTER September 2013
 - ☒ Bristol County Future Effective Flood Zones
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 - ☐ Providence County Previously Effective Map Panels
 - ☐ Washington County Previously Effective Flood Zones
 - ☐ Washington County Previously Effective Map Panels
- ☒ General Mapping Information
 - ☒ Structures
 - ☒ Coastal Barrier Resources System (CBRS)
 - ☒ Otherwise Protected Areas
 - ☒ Municipal Boundaries
- ☒ Imagery with Labels

Location
35 Ocean Rd, Narragansett, RI, 02882
Not what you wanted?

(1 of 3) Structure Details
Address 35 OCEAN RD. NARRAGANSETT RI, 02882
Comments NARRAGANSETT CHAMBER OF COMMERCE
Zoom to

(2 of 3) Washington County Map Panels Effective AFTER 10/16/2013
Map Panel 44009C02123
Map Panel Type COUNTYWIDE, PANEL PRINTED
Map Panel Effective Date 10/16/2013
Please visit the [FEMA Map Service Center](#) to review the effective map panels for Washington County.
Want to make a FIRMette?
Follow the [step-by-step instructions](#). A FIRMette is a full-scale section of an official FEMA FIRM, it can be used in all
Zoom to

(3 of 3) Washington County Flood Zones Effective AFTER 10/16/2013
Flood Zone AE
Base Flood Elevation 14.00 feet
Datum (if applicable) NAVD88
For more information on the National Flood Insurance Program, please visit [Floodsmart.gov](#).
If your search returned a BFE of -9,999.00 ft, that indicates this structure is located in an area where elevation data is either not determined or is unavailable digitally.
Zoom to

Mitigation Basics

- Mitigation efforts strive to reduce loss of life and property by lessening the impact of a disaster.
- Supports actions that occur before a disaster to reduce consequences later.
- Encourages actions that are **long-term** cost-effective, and environmentally sound.



Hazard Mitigation Assistance Programs

Pre-Disaster Mitigation (PDM)

- Annual

Flood Mitigation Assistance (FMA)

- Annual

Hazard Mitigation Grant Program (HMGP)

- Post-disaster

Hazard Mitigation Assistance Unified Guidance

Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program,
and Flood Mitigation Assistance Program



Federal Emergency Management Agency
Department of Homeland Security
500 C Street, S.W.
Washington, DC 20472



Sub-Applicants

- State or Local Government
 - Municipalities **MUST** apply on behalf of property or business owner.
- Tribal Government
- Private Non-Profits (PNPs)

TYPE	PDM	FMA	HMGP
State Agencies	X	X	X
Local Government	X	X	X
Tribal Government	X	X	X
Private Non-Profits (PNPs)			X



Pre-Disaster Mitigation (PDM)

Award Year	Number of Sub-Grantees	Activity Type(s)	Total Federal Share
2009	4	Hazard Mitigation Plans	\$31,521.15
2010	16	Hazard Mitigation Plans	\$226,102.71
2011	1	Hazard Mitigation Plan	\$28,056.72
2012	3	Hazard Mitigation Plans & Residential Acquisition	\$243,302.25



Flood Mitigation Assistance (FMA)

Award Year	Number of Sub-Grantees	Activity Type(s)	Total Federal Share
2012	1	Residential Elevation	\$45,052.20

- A community received an award to elevate one (1) Severe Repetitive Loss property.
- A severe repetitive loss structure has at least four (4) flood related damages claims payments (including building and contents) over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000.



Hazard Mitigation Grant Program (HMGP)

- Assists in implementing long-term hazard mitigation measures *following* Presidential disaster declarations.
- Funding is available to implement projects in accordance with State, Tribal, and local priorities.
- Available for all-hazard mitigation plans and projects.
- Funds available Statewide to eligible sub-applicants.



Hazard Mitigation Grant Program (HMGP)

- States are allotted 15% of TOTAL disaster assistance grants provided by FEMA for HMGP.
 - **Public Assistance + Individual Assistance x 15% = HMGP**

Event	Event Date	Total HMGP Allowance
2010 Floods	March 2010	\$11,033,039
Tropical Storm Irene	August 2011	\$1,608,921
Hurricane Sandy	October 2012	\$1,525,853
Severe Winter Storm	February 2013	TBD



HMGP Eligible Activities

ACTIVITIES	HMGP
Property Acquisition and Structure Demolition	X
Property Acquisition and Structure Relocation	X
Structure Elevation	X
Dry Floodproofing of Historical Residential Structures	X
Dry Floodproofing of Non-residential Structures	X
Minor Localized Flood Reduction Projects	X
Structural Retrofitting of Existing Buildings	X
Non-structural Retrofitting of Existing Buildings and Facilities	X
Safe Room Construction	X
Wind Retrofit for One- and Two-Family Residences	X
Infrastructure Retrofit	X
Soil Stabilization	X
Wildfire Mitigation	X
Post-Disaster Code Enforcement	X
Generators	X
5 Percent Initiative Projects	X
Advance Assistance	X
Hazard Mitigation Planning	X



Legislative & Policy Recommendations

- Incorporate adaptation into Capital Improvement projects
- Increase required freeboard from 1 ft. to 2-3 ft. for coastal construction in State Building Code
- State-administered buyout program of flood-prone repetitive loss residential structures



Questions?



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